Acer DLP Projector

P1150/M306/PE-S45/F25S/AS329/ASV1712/
PR120/MF-020/MS130/P1250/M316/PE-X45/F25X/
AX329/ANX1711/PR220/MF-120/MX130/
P1350W/M326S/PE-W45S/F25WS/AW329S/
AWX1710/PR320/MF-220/MW130/P1350WL/
M326/PE-W45/F25W/AW329/AWX1709/PR320T/
MF-220T/MW130L/X1123H/D800D/EV-S80H/
V50S/AS540/ASV1715/DX120/BS-020/KS330/
X1223H/D810D/EV-X80H/V50X/AX540/
ANX1714/DX220/BS-120/KX330/X1323WH/
D820D/EV-W80H/V50W/AW540/AWX1713/
DX420/BS-320/KW330

Series User's Guide

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Acer Projector User's Guide
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Record the model number, serial number, purchase date and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your projector. All correspondence concerning your unit should include the serial number, model number and purchase information.

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Acer Projector

Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

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Information for Your Safety and Comfort

Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on the product.

Turning the product off before cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Caution for plug as disconnecting device

Observe the following guidelines when connecting and disconnecting power to the external power supply unit:

- Install the power supply unit before connecting the power cord to the AC power outlet.
- Unplug the power cord before removing the power supply unit from the projector.
- If the system has multiple sources of power, disconnect power from the system by unplugging all power cords from the power supplies.

Caution for Accessibility

Be sure that the power outlet you plug the power cord into is easily accessible and located as close to the equipment operator as possible. When you need to disconnect power to the equipment, be sure to unplug the power cord from the electrical outlet.

Warnings!

- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.
- Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface.

This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.

- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.

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- To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.
- Never use it under sporting, exercising, or any vibrating environment which will probably cause unexpected short current or damage rotor devices or lamp.

Using electrical power

- This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.
- If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- Do not overload a power outlet, strip or receptacle by plugging in too many devices. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip's input rating.
- This product's AC adapter is equipped with a three-wire grounded plug. The plug only fits in a grounded power outlet. Make sure the power outlet is properly grounded before inserting the AC adapter plug. Do not insert the plug into a non-grounded power outlet. Contact your electrician for details.

Warning! The grounding pin is a safety feature. Using a power outlet that is not properly grounded may result in electric shock and/or injury.

Note: The grounding pin also provides good protection from unexpected noise produced by other nearby electrical devices that may interfere with the performance of this product.

- Use the product only with the supplied power supply cord set. If you need to replace the power cord set, make sure that the new power cord meets the following requirements: detachable type, UL listed/CSA certified, VDE approved or its equivalent, 4.5 meters (14.76 feet) maximum length.

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Product servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- the power cord or plug is damaged, cut or frayed
- liquid was spilled into the product
- the product was exposed to rain or water
- the product has been dropped or the case has been damaged
- the product exhibits a distinct change in performance, indicating a need for service
- the product does not operate normally after following the operating instructions

Note: Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.

Warning! For safety reasons, do not use non-compliant parts when adding or changing components. Consult your reseller for purchase options.

Your device and its enhancements may contain small parts. Keep them out of the reach of small children.

Additional safety information

- Do not look into the projector's lens when the lamp is on. The bright light may hurt your eyes.

RG2 IEC 62471-5:2015

- Turn on the projector first and then signal sources.
- Do not place the product in the following environments:
  - Space that is poorly ventilated or confined. At least 50cm clearance from walls and free flow of air around the projector are necessary.
  - Locations where temperatures may become excessively high, such as inside of a car with all windows rolled up.
  - Locations where excessive humidity, dust, or cigarette smoke may contaminate optical components, shorten the life span and darken the image.
  - Locations near fire alarms.
  - Locations with an ambient temperature above 40 °C/104 °F.

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  - Locations where the altitudes are higher than 10000 feet.
- Unplug immediately if there is something wrong with your projector. Do not operate if smoke, strange noise or odor comes out of your projector. It might cause fire or electric shock. In this case, unplug immediately and contact your dealer.
- Do not keep using this product to break or drop it. In this case contact your dealer for inspection.
- Do not face the projector lens to the sun. It can lead to fire.
- When switching the projector off, please ensure the projector completes its cooling cycle before disconnecting power.
- Do not frequently turn off the main power abruptly or unplug the projector during operation. The best way is to wait for the fan to stop before turning main power off.
- Do not touch the air outlet grille and bottom plate which become hot.
- Clean the air filter frequently. The temperature inside may rise and cause damage when the filter/ventilation slots are clogged with dirt or dust.
- Do not look into the air outlet grille when projector is operating. It may hurt your eyes.
- Always open the lens shutter or remove the lens cap when the projector is on.
- Do not block the projector lens with any object when the projector is under operation as this could cause the object to become heated and deformed or even cause a fire. To temporarily turn off the lamp, press HIDE on the remote control.
- Do not operate lamps beyond the rated lamp life. It could cause it to break on rare occasions.
- Contact your local dealer or Acer service center when you need to change the lamp.
- The product will detect the life of the lamp itself. Please contact your local dealer or Acer service center for changing the lamp, when lamp warning message displays.
- Do not attempt to disassemble this projector. There are dangerous high voltages inside which may hurt you.
- Do not stand the projector on end vertically. It may cause the projector to fall over, causing injury or damage.
- This product is capable of displaying inverted images for ceiling mount installation. Only use acer ceiling mount kit for mounting the projector and ensure it is securely installed.

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Caution for Listening

To protect your hearing, follow these instructions.

- Increase the volume gradually until you can hear clearly and comfortably.
- Do not increase the volume level after your ears have adjusted.
- Do not listen to music at high volumes for extended periods.
- Do not increase the volume to block out noisy surroundings.
- Decrease the volume if you can't hear people speaking near you.

Disposal instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit http://www.acer-group.com/public/Sustainability/index.htm

Mercury advisory

For projectors or electronic products containing an LCD/CRT monitor or display:

"Lamp(s) contain Mercury, Dispose Properly."

Lamp(s) inside this product contain mercury and must be recycled or disposed of according to local, state or federal laws. For more information, contact the Electronic Industries Alliance at www.eiae.org. For lamp-specific disposal information, check www.lamprecycle.org

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First Thing First

Usage Notes

Do:

- Turn off the product before cleaning.
- Use a soft cloth moistened with mild detergent to clean the display housing.
- Disconnect the power plug from AC outlet if the product is not being used for a long period of time.

Don't:

- Block the slots and openings on the projector provided for ventilation.
- Use abrasive cleaners, waxes or solvents to clean the unit.
- Use under the following conditions:
  - In extremely hot, cold or humid environments.
  - In areas susceptible to excessive dust and dirt.
  - Near any appliance that generates a strong magnetic field.
  - Place in direct sunlight.

Precautions

Follow all warnings, precautions and maintenance as recommended in this user's guide to maximize the life of your unit.

Warning:

- Do not look into the projector's lens when the lamp is on. The bright light may hurt your eyes.
- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.
- Please do not open or disassemble the product as this may cause electric shock.
- The product will detect the life of the lamp itself. Please contact your local dealer or Acer service center for changing the lamp, when lamp warning message displays.
- When switching the projector off, please ensure the projector completes its cooling cycle before disconnecting power.
- Turn on the projector first and then the signal sources.
- Do not use lens cap when projector is in operation.
- When the lamp reaches the end of its life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn back on until the lamp module has been replaced. To replace the lamp, contact your local dealer or Acer service center.

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Introduction

Product Features

This product is a single-chip DLP® projector, including the following outstanding features:

- DLP® technology
- P1150/M306/PE-545/F255/A5329/PR120/MF-020/M5130/X1123H/D800D/EV-580H/V505/A5540/DX120/B5-020/K5330: Native 800 x 600 SVGA resolution, Auto/4:3/16:9 aspect ratio supported
  P1250/M316/PE-X45/F25X/AX329/PR220/MF-120/MX130/X1223H/D810D/EV-X80H/V50X/AX540/DX220/B5-120/KX330: Native 1024 x 768 XGA resolution, Auto/4:3/16:9 aspect ratio supported
  P1350W/M326S/PE-W455/F25W5/AW329S/PR320/MF-220/MW130/P1350WL/M326/PE-W45/F25W/AW329/PR320T/MF-220T/MW130L/X1323WH/D820D/EV-W80H/V50W/AW540/DX420/B5-320/KW330: Native 1280 x 800 WXGA resolution, Auto/Full/4:3/16:9/L.Box aspect ratio supported
- Enables projecting 3D content via DLP Link Technology: Blu-Ray 3D supported
- One-touch "3D" button on remote control allows quick and easy access to the 3D functions
- Acer ColorBoost technology delivers vivid, life-like images
- High brightness and contrast ratio
- Versatile display modes enable optimum performance in any situation
- NTSC/PAL/SECAM compatible and HDTV (720p, 1080i, 1080p) supported
- Lower power consumption and economy (ECO) mode extends lamp life
- Dynamic Black / ExtremeEco functions help decrease lamp power consumption and further extend lamp life.
  - Dynamic Black: If turned on, the projector dynamically adjusts the power consumption of the lamp according to the brightness of the image being projected. When projecting darker images the power consumption will be reduced and the contrast of the image will also be enhanced.
  - ExtremeEco: The projector will decrease the power consumption of the lamp by up to 70% when no input signal can be detected for 15 minutes.
- Acer EcoProjection Technology delivers Intelligent power management approach and physical efficiency improvement
- Advanced keystone correction delivers optimum presentations
- Multi-language Onscreen Display (OSD) menus
- Manual focus/zoom projection lens
- 0.8 ~ 2X digital zoom and pan move function
- Microsoft® Windows® 2000, XP, 7, 8, 8.1, 10, Vista®, Macintosh OS, Chrome OS compliant
- CEC (Consumer Electronics Control) function supported
- LumiSense supported
- BlueLightShield function supported

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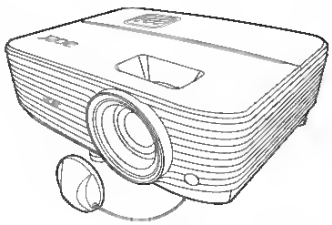
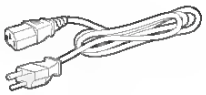
Package Overview

This projector comes with all the items shown below. Check to make sure you have them all. Contact your dealer immediately if any thing is missing.



Projector



Power cord

VGA cable (Optional)

HDMI cable (Optional)

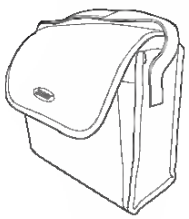
Security card (Optional)

User's guide (CD-ROM) (Optional)

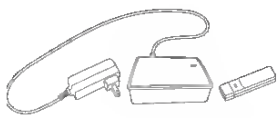
Remote control

Quick start guide

AAA Battery x 2



Carrying case (Optional)



WirelessHD dongle kit (MWIHD1) (Optional)

Note: The package content may differ by regions.

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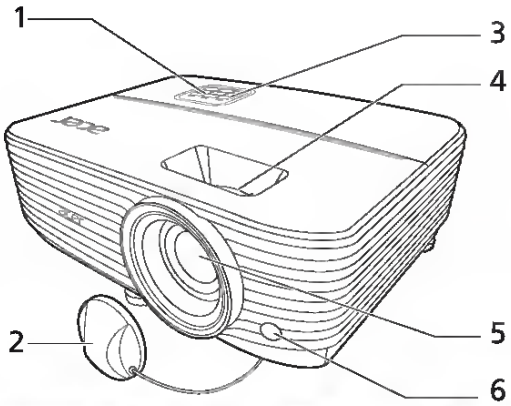
Projector Overview

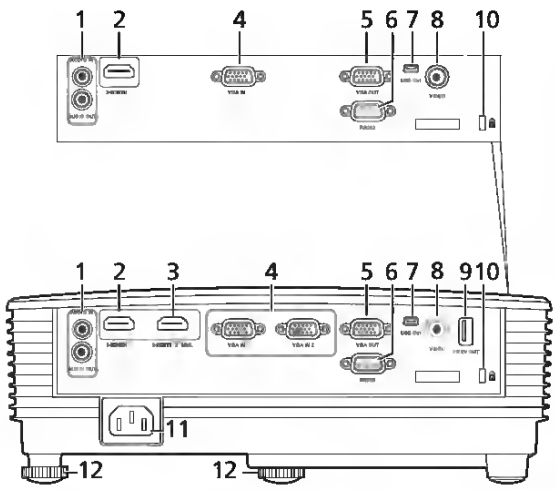
Projector Outlook

Front/upper side



#	Description	#	Description
1	Control panel	4	Zoom ring and Focus ring
2	Lens cap	5	Projection lens
3	Power key and Power indicator LED	6	Remote control receiver

Rear side



X1123H/D800D/EV-580H/V50S/
A5540/DX120/B5-020/K5330/
X1223H/D810D/EV-X80H/V50X/
AX540/DX220/B5-120/KX330/
X1323WH/D820D/EV-W80H/
V50W/AW540/DX420/B5-320/
KW330

P1150/M306/PE-545/F255/A5329/
PR120/MF-020/M5130/P1250/
M316/PE-X45/F25X/AX329/PR220/
MF-120/MX130/P1350W/M3265/
PE-W455/F25W5/AW3295/PR320/
MF-220/MW130/P1350WL/M326/
PE-W45/F25W/AW329/PR320T/
MF-220T/MW130L

#	Description	#	Description
1	Audio input connector Audio output connector	7	Mini USB connector
2	HDMI connector	8	Composite video input connector
3	HDMI (MHL) connector	9	DC 5V output
4	Analog RGB signal/HDTV/ component video input connector	10	Kensington™ lock port

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#	Description	#	Description
5	Monitor loop-through output connector (from VGA IN 1 only)	11	Power socket
6	RS232 connector	12	Tilt adjusting wheel

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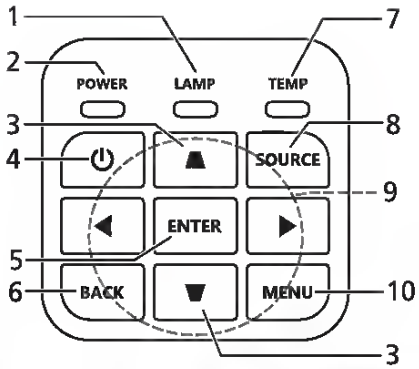
Control Panel



#	Function	Description
1	LAMP	Lamp indicator LED.
2	POWER	Power indicator LED
3	Keystone	Adjusts image distortion caused by tilting projection (±40 degrees).
4	Power key	Refer to the "Turning the Projector On/Off" section.
5	ENTER	Confirms your selection of items.
6	BACK	Cancels your selection, or goes back to previous page.
7	TEMP	Temperature indicator LED.
8	SOURCE	Changes the active source.
9	Four directional selection keys	Selects items or makes adjustments to your selection
10	MENU	Launches the Onscreen Display (OSD) menu, returns to the previous step for the OSD menu operation or exits the OSD menu.

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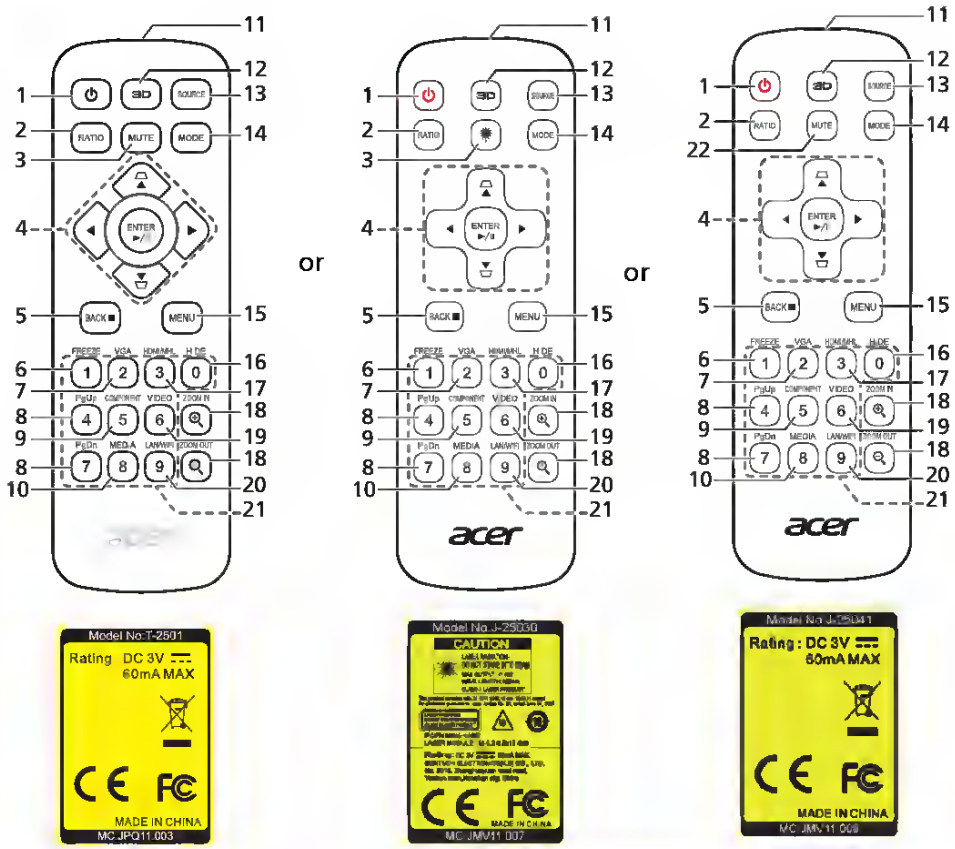
Remote Control Layout



#	Function	Description
1	POWER	Refer to the "Turning the Projector On/Off" section.
2	RATIO	Chooses an aspect ratio.
3	Laser	Emits visible laser pointer light for presentation purposes. This function is not available for the projectors sold in Japan/China.
4	Keystone	Adjusts image distortion caused by tilting projection (±40 degrees).
	Four directional selection keys	Selects items or makes adjustments to your selection.
	ENTER	Confirms your selection of items.
	►/II Play/Pause	
5	BACK	Cancels your selection, or goes back to previous page.
	■ Stop	
6	FREEZE	To pause the screen image.

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#	Function	Description
7	VGA	To change source to VGA. This connection supports analog RGB, and YPbPr (480i/480p/576i/576p/720p/1080i/1080p).
8	PgUp/PgDn	For computer mode only. Use this button to select the next or previous page. This function is only available when connected to a computer via a mini USB cable.
9	COMPONENT	(No function)
10	MEDIA	(No function)
11	Infrared transmitter	Sends signals to the projector.
12	3D	Press to open the 3D menu for adjusting 3D settings.
13	SOURCE	Changes the active source.
14	MODE	Chooses a display mode.
15	MENU	Launches the Onscreen Display (OSD) menu or exits the OSD menu.
16	HIDE	Press "HIDE" to hide screen image; press again to display the image.
17	HDMI/MHL	To change source to HDMI™ (or MHL). (for the model with HDMI™ or MHL connector)
18	ZOOM IN/ZOOM OUT	Zooms the projector display in or out.
19	VIDEO	To change source to composite video.
20	LAN/WiFi	(No function)
21	Keypad 0~9	Press "**0~9**" to input a password in the "Setting" > "Security" OSD.
22	MUTE	Mutes or unmutes the projector's volume.

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MHL Feature Introduction

When your smart device is connected to the projector, you can use some buttons on the remote control to control your smart device. Press "MODE" for one second to enter or leave the MHL control mode. After entering the MHL control mode, press "SOURCE" to switch between the navigation mode (default), media mode and numeric mode.

#	Function		Description		
			Navigation mode	Media mode	Numeric mode
14	MODE		Long press for one second to enter or leave the MHL control mode.		
13	SOURCE		After entering the MHL control mode, press to switch between the navigation mode (default), media mode and numeric mode.		
4	Four directional select keys	Up	Up	(No function)	(No function)
		down	down	(No function)	(No function)
		Left	Left	(No function)	(No function)
		Right	Right	(No function)	(No function)
21	Keypad 0~9		(No function)	(No function)	Enters 0~9.
15	MENU		Goes to the root menu.	(No function)	(No function)
4	ENTER		Selects or enters items.	Plays/Pauses/ Stops the playing of media files.	(No function)
	►/II Play/Pause				
5	BACK		Exits current page.		(No function)
	■ Stop				
8	PgUp/PgDn		Use this button to select the next or previous page.		(No function)
22	MUTE		Mutes or unmutes the projector's volume.		(No function)

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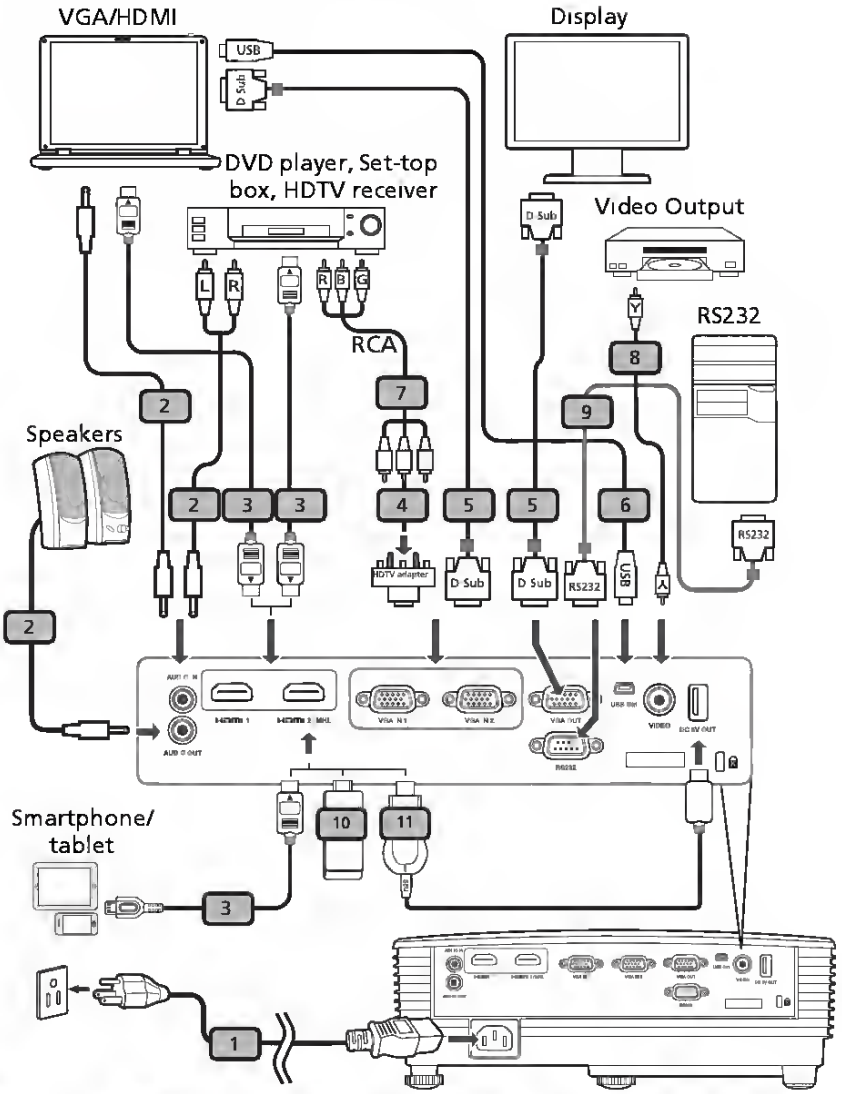
Getting Started

Connecting the Projector



#	Description	#	Description
1	Power cord	7	3 RCA component cable
2	Audio cable	8	Composite video cable
3	HDMI (MHL) cable	9	RS232 cable
4	VGA to component video/HDTV adapter	10	WirelessHD dongle
5	VGA cable	11	Wireless dongle
6	USB cable		

Note: To ensure the projector works well with your computer,

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please make sure the timing of the display mode is compatible with the projector.
Note: Some smart devices require a converter (supplied by the smart device maker) to enable the MHL function.
Note: Compatible HDMI/MHL dongles: WirelessHD (MWIHD1), MWA3, Android (MWND1), Chromecast™.

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Turning the Projector On/Off

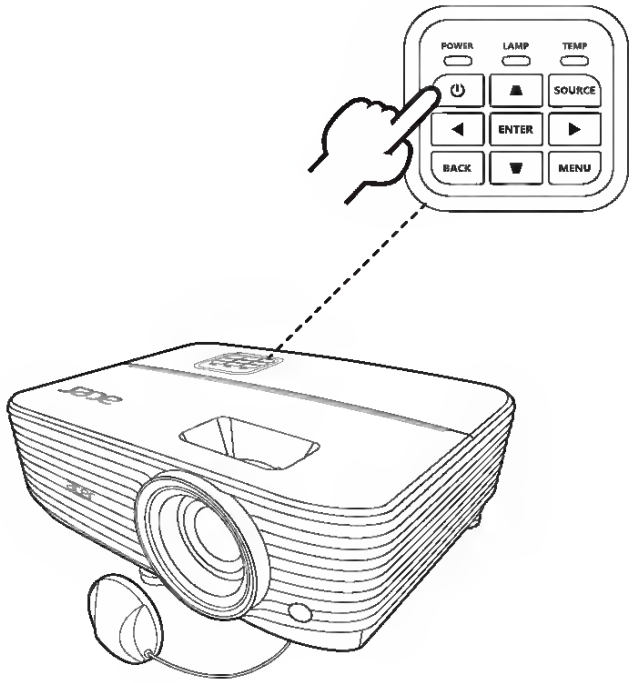
Turning On the Projector

1 Ensure that the power cord and signal cable are securely connected. The Power LED will light red.

2 Turn on the projector by pressing ⏻ (POWER) on the control panel or remote control, and the Power indicator LED will turn blue.

3 Turn on your source (computer, notebook, video player, etc.). The projector will detect your source automatically (when it is the first time you turn on the projector or the Source Selection function is "Auto").

- If the screen displays "No Signal", please make sure the signal cables are securely connected.
- If you connect to multiple sources at the same time, use "SOURCE" on the control panel or remote control, or the direct source key on the remote control to switch between inputs.



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Turning Off the Projector

1 To turn the projector off, press the power button. This message appears:
"Please press power button again to complete the shutdown process"
Press the power button again.

2 The LED Power indicator will turn solid red to indicate standby mode.

3 It is now safe to unplug the power cord.

When Instant Resume is selected:

1 The LED Power indicator will turn RED and blink rapidly after the projector is turned off, and the fan(s) will continue to operate for about 2 minutes to ensure that the system cools properly.

2 As long as the power cord remains plugged in, you can press the power button to turn the projector immediately back on anytime during the 2-minute shutdown process.

3 Once the system has finished cooling, the LED Power indicator will stop blinking and turn solid red to indicate standby mode.

4 It is now safe to unplug the power cord.

Warning indicators:

- **"Projector Overheated. Lamp will automatically turn off soon."**
  This onscreen message indicates that the projector has overheated. The lamp will automatically turn off, the projector will automatically shut down, and the LED Temp indicator will turn solid red. Contact your local dealer or service center.
- **"Fan failed. Lamp will automatically turn off soon."**
  This onscreen message indicates that the fan has failed. The lamp will automatically turn off, the projector will automatically shut down, and the LED Temp indicator will blink. Contact your local dealer or service center.

Note: Whenever the projector automatically shuts down and the LED Temp indicator turns solid red, contact your local reseller or service center.

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Adjusting the Projected Image

Adjusting the Height of the Projected Image

The projector is equipped with two elevator feet for adjusting the image height.

To raise the image:

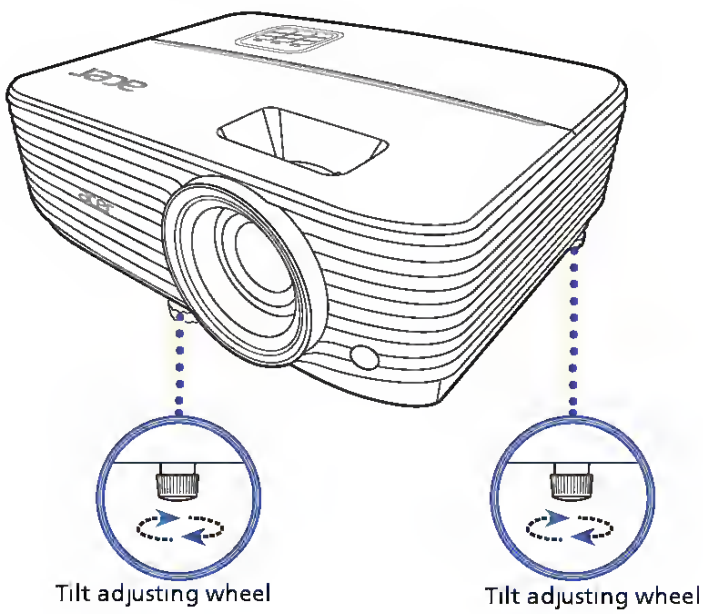
1 Use the front Tilt adjusting wheel to raise the image to the desired height and angle.

2 Use the rear Tilt adjusting wheel to fine-tune the display angle.

To lower the image:

1 Use the front Tilt adjusting wheel to lower the image to the desired height and angle.

2 Use the rear Tilt adjusting wheel to fine-tune the display angle.



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English

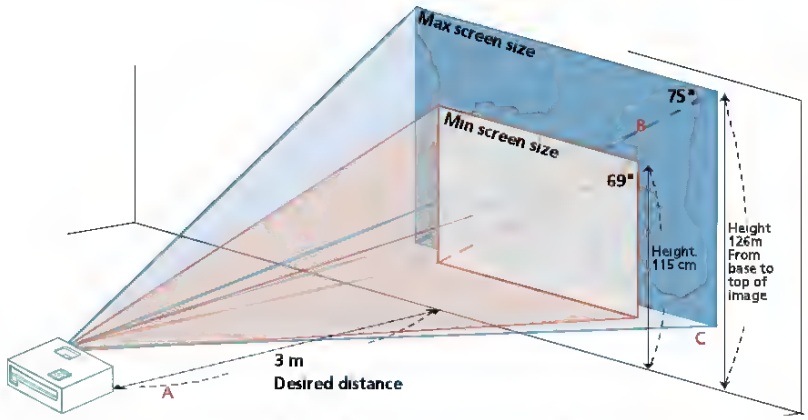
How to Optimize Image Size and Distance

Consult the table below to find the optimal image sizes achievable when the projector is positioned at a desired distance from the screen.

- P11S0/M306/PE-S4S/F2SS/AS329/PR120/MF-020/MS130/X1123H/D800D/EV-S80H/VS0S/ASS40/DX120/BS-020/KS330/P12S0/M316/PE-X4S/F2SX/AX329/PR220/MF-120/MX130/X1223H/D810D/EV-X80H/VS0X/AXS40/DX220/BS-120/KX330

If the projector is 3 m from the screen, good image quality is possible for image sizes between 69" and 75".

Note: Remind as below figure, the space of 126 cm height is required when the projector is located at 3 m distance.



Desired Distance (m) < A >	Minimum 5creen 5ize (Min zoom)			Maximum 5creen 5ize (Max zoom)		
	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >
1	23	47 x 35	38	25	51 x 38	42
1.5	34	70 x 52	58	38	77 x 57	63
2	46	93 x 70	77	50	102 x 77	84
2.5	57	116 x 87	96	63	128 x 96	105
3	69	140 x 105	115	75	153 x 115	126
3.5	80	163 x 122	134	88	179 x 134	147
4	92	186 x 140	153	100	204 x 153	168
4.5	103	209 x 157	173	113	230 x 172	189
5	114	233 x 174	192	126	255 x 191	210
6	137	279 x 209	230	151	306 x 230	253
7	160	326 x 244	269	176	357 x 268	295
8	183	372 x 279	307	201	408 x 306	337
9	206	419 x 314	345	226	459 x 344	379
10	229	465 x 349	384	251	510 x 383	421
11	252	512 x 384	422	276	561 x 421	463
12	275	558 x 419	460	301	612 x 459	505

Zoom Ratio: 1.1 x

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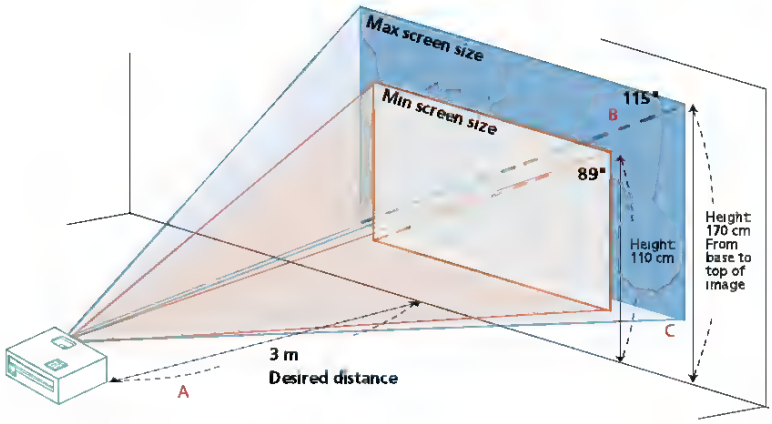
- P1350W/M326S/PE-W45S/F25WS/AW329S/PR320/MF-220/MW130

If the projector is 3 m from the screen, good image quality is possible for image sizes between 89" and 115".

Note: Remind as below figure, the space of 170 cm height is required when the projector is located at 3 m distance.



Desired Distance (m) < A >	Minimum Screen Size (Min zoom)			Maximum Screen Size (Max zoom)		
	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >
1	30	64 x 40	44	38	83 x 52	57
1.5	44	96 x 60	66	58	124 x 77	85
2	59	127 x 80	88	77	165 x 103	114
2.5	74	159 x 100	109	96	207 x 129	142
3	89	191 x 119	131	115	248 x 155	170
3.5	103	223 x 139	153	134	289 x 181	199
4	118	255 x 159	175	153	331 x 207	227
4.5	133	287 x 179	197	173	372 x 232	256
5	148	318 x 199	219	192	413 x 258	284
6	177	382 x 239	263	230	496 x 310	341
7	207	446 x 279	307	269	579 x 362	398
8	237	510 x 318	350	307	661 x 413	455
9	266	573 x 358	394	345	744 x 465	511
10	296	637 x 398	438	384	826 x 517	568
11	325	701 x 438	482	422	909 x 568	625
12	355	764 x 478	525	460	992 x 620	682

Zoom Ratio: 1.3 x

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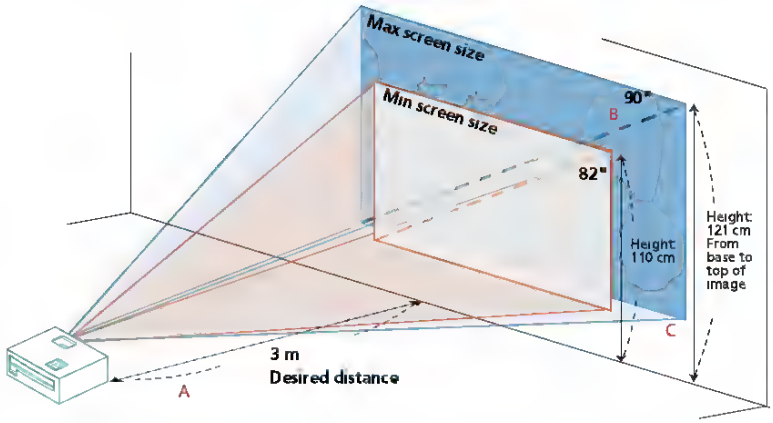
English

- P1350WL/M326/PE-W45/F25W/AW329/PR320T/MF-220T/MW130L/ X1323WH/D820D/EV-W80H/V50W/AW540/DX420/B5-320/KW330

If the projector is 3 m from the screen, good image quality is possible for image sizes between 82" and 90".

Note: Remind as below figure, the space of 121 cm height is required when the projector is located at 3 m distance.



Desired Distance (m) < A >	Minimum Screen Size (Min zoom)			Maximum Screen Size (Max zoom)		
	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >
1	27	59 x 37	37	30	65 x 40	40
1.5	41	88 x 55	55	45	97 x 60	60
2	55	118 x 74	74	60	129 x 81	81
2.5	68	147 x 92	92	75	161 x 101	101
3	82	176 x 110	110	90	194 x 121	121
3.5	96	206 x 129	129	105	226 x 141	141
4	109	235 x 147	147	120	258 x 161	161
4.5	123	265 x 165	165	135	290 x 181	181
5	137	294 x 184	184	150	323 x 202	202
6	164	353 x 221	221	180	387 x 242	242
7	191	412 x 257	257	210	452 x 282	282
8	218	471 x 294	294	240	516 x 323	323
9	246	529 x 331	331	270	581 x 363	363
10	273	588 x 368	368	300	645 x 403	403
11	300	647 x 404	404	329	710 x 444	444
12	328	706 x 441	441	359	774 x 484	484

Zoom Ratio 1.1 x

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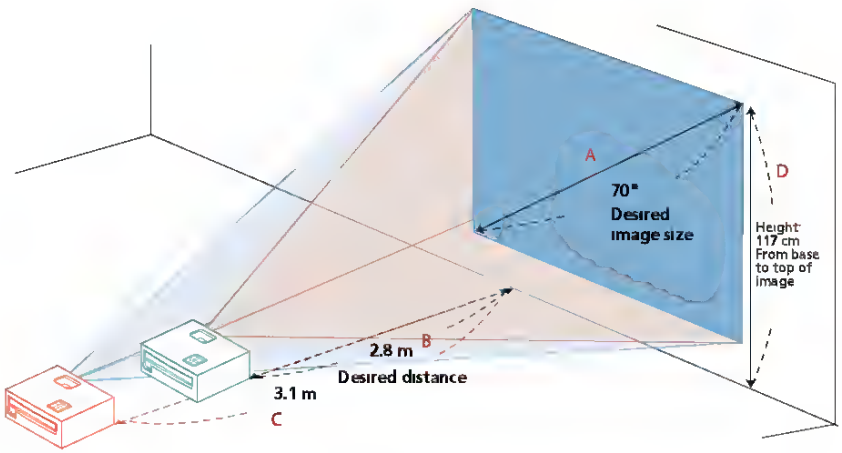
How to Get a Preferred Image Size by Adjusting Distance and Zoom

The table below shows how to achieve a desired image size by adjusting either the position or the zoom ring.

- P11S0/M306/PE-S4S/F2SS/AS329/PR120/MF-020/MS130/X1123H/D800D/EV-S80H/VS0S/ASS40/DX120/BS-020/KS330/P12S0/M316/PE-X4S/F2SX/AX329/PR220/MF-120/MX130/X1223H/D810D/EV-X80H/VS0X/AXS40/DX220/BS-120/KX330

To obtain an image size of 70", set the projector at a distance between 2.8 m and 3.1 m from the screen and adjust the zoom level accordingly.



Desired Image Size		Distance (m)		Top (cm)
Diagonal (inch) < A >	W (cm) x H (cm)	Max zoom < B >	Min zoom < C >	From base to top of image < D >
30	61 x 46		1.3	50
40	81 x 61	1.6	1.7	67
50	102 x 76	2.0	2.2	84
60	122 x 91	2.4	2.6	101
70	142 x 107	2.8	3.1	117
80	163 x 122	3.2	3.5	134
90	183 x 137	3.6	3.9	151
100	203 x 152	4.0	4.4	168
120	244 x 183	4.8	5.2	201
150	305 x 229	6.0	6.6	251
180	366 x 274	7.2	7.9	302
200	406 x 305	8.0	8.7	335
250	508 x 381	10.0	10.9	419
300	610 x 457	11.9		503

Zoom Ratio: 1.1 x

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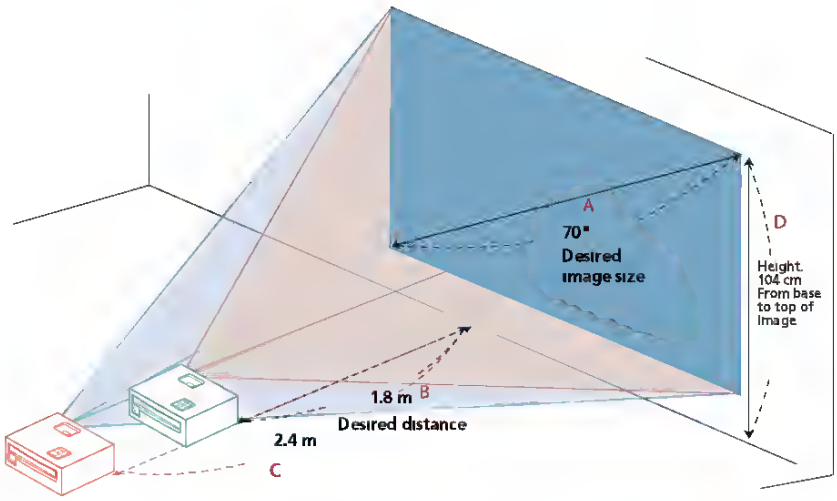
English

- P13S0W/M326S/PE-W4SS/F2SWS/AW329S/PR320/MF-220/MW130

To obtain an image size of 70" set the projector at a distance between 1.8 m and 2.4 m from the screen and adjust the zoom level accordingly.



Desired Image Size		Distance (m)		Top (cm)
Diagonal (inch) < A >	W (cm) x H (cm)	Max zoom < B >	Min zoom < C >	From base to top of image < D >
30	65 x 40		1.0	44
40	86 x 54	1.0	1.4	59
50	108 x 67	1.3	1.7	74
60	129 x 81	1.6	2.0	89
70	151 x 94	1.8	2.4	104
80	172 x 108	2.1	2.7	118
90	194 x 121	2.3	3.0	133
100	215 x 135	2.6	3.4	148
120	258 x 162	3.1	4.1	178
150	323 x 202	3.9	5.1	222
180	388 x 242	4.7	6.1	267
200	431 x 269	5.2	6.8	296
250	538 x 337	6.5	8.5	370
300	646 x 404	7.8		444

Zoom Ratio: 1.3 x

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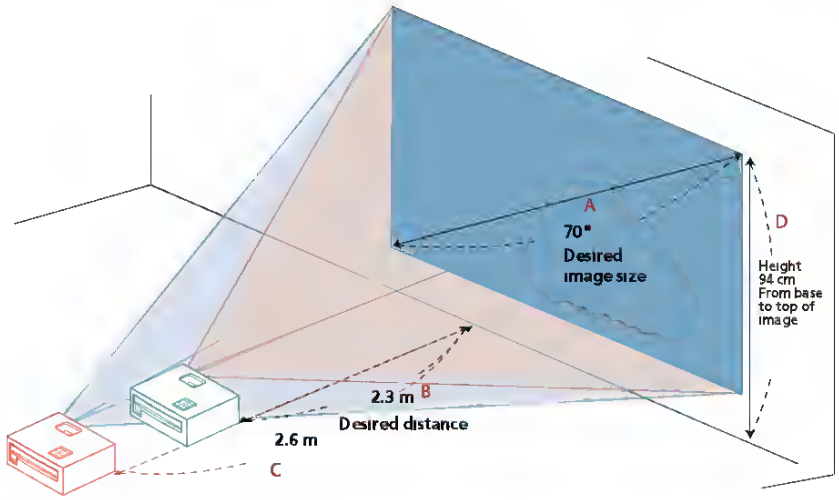
- P1350WL/M326/PE-W45/F25W/AW329/PR320T/MF-220T/MW130L/ X1323WH/D820D/EV-W80H/V50W/AW540/DX420/BS-320/KW330

To obtain an image size of 70" set the projector at a distance between 2.3 m and 2.6 m from the screen and adjust the zoom level accordingly.



Desired Image Size		Distance (m)		Top (cm)
Diagonal (inch) < A >	W (cm) x H (cm)	Max zoom < B >	Min zoom < C >	From base to top of image < D >
30	65 x 40		1.1	40
40	86 x 54	1.3	1.5	54
50	108 x 67	1.7	1.8	67
60	129 x 81	2.0	2.2	81
70	151 x 94	2.3	2.6	94
80	172 x 108	2.7	2.9	108
90	194 x 121	3.0	3.3	121
100	215 x 135	3.3	3.7	135
120	258 x 162	4.0	4.4	162
150	323 x 202	5.0	5.5	202
180	388 x 242	6.0	6.6	242
200	431 x 269	6.7	7.3	269
250	538 x 337	8.3	9.2	337
300	646 x 404	10.0		404

Zoom Ratio: 1.1 x

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English

User Controls

Installation Menu

The Installation menu provides an Onscreen Display (OSD) for projector installation and maintenance. Use the OSD only when the message "No signal" is displayed on the screen or when the projector searches for input signal.

1 Turn on the projector by pressing ⏻ (POWER) on the control panel or remote control.

2 Press "MENU" on the control panel or remote control to launch the OSD for projector installation and maintenance.

3 The background pattern acts as a guide to adjusting the calibration and alignment settings, such as screen size and distance, focus and more.

Note The OSD screenshot is for reference only and may differ from the actual design.

4 The Installation menu includes several options.

Use the up and down arrow keys to select an option, the left and right arrow keys to adjust selected option settings, and the right arrow key to enter a submenu for feature setting. The new settings will be saved automatically upon exiting the menu.

5 Press "MENU" anytime to exit the menu and return to the Acer welcome screen.

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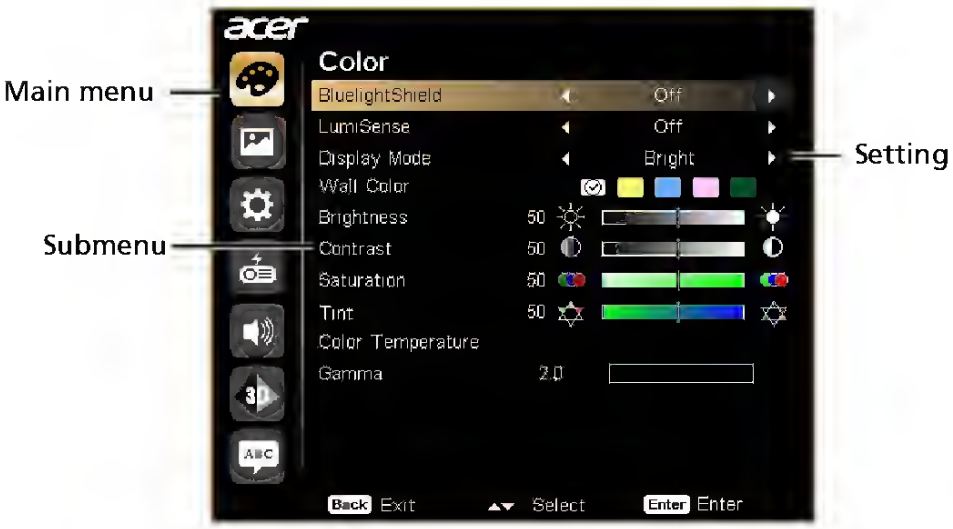
Onscreen Display (OSD) Menus

The projector has multilingual Onscreen Display (OSD) menus that allow you to make image adjustments and change a variety of settings.

Using the OSD menus

- To open the OSD menu, press "MENU" on the control panel or remote control.
- When the OSD is displayed, use ▲ ▼ to select an item in the main menu.

  After selecting the desired main menu item, press ▶ to enter a submenu for feature setting.
- Use ▲ ▼ to select the desired item and adjust the settings by using ◀ ▶.
- Select the next item to be adjusted in the submenu and adjust as described above.
- Press "MENU" on the control panel or remote control, the screen will return to the main menu.
- To exit the OSD menu, press "MENU" on the control panel or remote control again. It will close and the projector will automatically save the new settings.



Note Some of the following OSD settings may not be available. Please refer to the actual OSD of your projector.

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English

Color

BluelightShield	This function protects your eyes from over-exposure to blue light. The options are Off, Low, Medium, and High. Choose a preferred setting to reduce the level of blue light and get a comfortable viewing experience. When this function is enabled, LumiSense will be automatically set to "Off".
LumiSense	The projector can intelligently optimizes the brightness and color saturation of projected image. The feature greatly enhances dark detail visibility and color saturation. • Off: For normal mode. • Normal: For enhancing the details in the dark area. • Boost: For boosting brightness of the projected image. • Dynamic Black: automatically optimizes the display of dark movie scenes enabling them to be shown in incredible detail. When this function is enabled, BluelightShield will be automatically set to "Off". LumiSense function is unavailable when 3D is set to "On"
Display Mode	There are many factory presets optimized for various types of images. • Bright: For brightness optimization. • Presentation: For meeting presentation with higher brightness. • Standard: For common environment. • Video: For playing video in a bright environment. • Game: For game content. • Education: For education environment. • User 1/User 2: Memorize user's settings.
Color Profile	Available when User 1/User 2 is selected in the Display Mode menu. You can use one of the display modes as a starting point and customize the settings. The below OSD items can be adjusted and saved.

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Wall Color	Use this function to choose a proper color according to the wall. There are several choices, including White, Light Yellow, Light Blue, Pink and Dark Green. It will compensate for the color deviation due to the wall color to show the correct image tone.
Brightness	Adjusts the brightness of the image. • Press ◄ to darken the image. • Press ► to lighten the image.
Contrast	Controls the degree of difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image. • Press ◄ to decrease the contrast. • Press ► to increase the contrast.
Saturation	Adjusts a video image from black and white to fully saturated colors. • Press ◄ to decrease the amount of color in the image. • Press ► to increase the amount of color in the image.
Tint	Adjusts the color balance of red and green. • Press ◄ to increase the amount of green in the image. • Press ► to increase the amount of red in the image.
Color Temperature	Adjusts the color temperature. At higher color temperatures, the screen looks colder; at lower color temperatures, the screen looks warmer.
Gamma	Effects the representation of dark scenery. With greater gamma value, dark scenery will look brighter.
Rename	Available when User 1/User 2 is selected in the Display Mode menu. You can change User 1/User 2 to your preferred mode name in English letters.

Note: "Saturation" and "Tint" functions are not supported under computer mode.

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English

Image

Projection Mode	• Front: The factory default setting. • Rear: Reverses the image so you can project from behind a translucent screen.
Projection Location	• Auto: Automatically adjusts projection location of image. • Desktop • Ceiling: Turns the image upside down for ceiling-mounted projection.
Aspect Ratio	Use this function to choose your desired aspect ratio. • Auto: Keeps the image with original width-height ratio and maximizes the image to fit native horizontal or vertical pixels. • Full (for WXGA/1080p models): The image will be displayed making full use of the horizontal and vertical pixels. • 4:3: The image will be scaled to fit the screen and displayed using a 4:3 ratio. • 16:9: The image will be scaled to fit the screen and displayed using a 16:9 ratio. • L.Box (for WXGA/1080p models): Keeps the original signal aspect ratio and zooms in by 1.333 times.
Auto Keystone	Automatically adjusts image distortion caused by tilting projection (±40 degrees).
Manual Keystone	Manually adjusts image distortion caused by tilting projection (±40 degrees). This function is unavailable when Auto Keystone is set to "On".
Sharpness	Adjusts the sharpness of the image. • Press ◀ to decrease the sharpness. • Press ▶ to increase the sharpness.
H. Position (Horizontal Position)	• Press ◀ to move the image left. • Press ▶ to move the image right.

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V. Position (Vertical Position)	• Press ◀ to move the image down. • Press ▶ to move the image up.
Frequency	Changes the projector's refresh rate to match the frequency of your computer's graphics card. If you experience a vertical flickering bar in the projected image, use this function to correct it.
Tracking	Synchronizes the signal timing of the display with the graphics card. If you experience an unstable or flickering image, use this function to correct it.
HDMI Color Range	Adjusts the color range of the HDMI image data to prevent color display error. • Auto: Automatically adjusts the color range by information from the player. • Limited Range: Processes the input image as limited color range data. • Full Range: Processes the input image as full color range data.
HDMI Scan Info	Adjusts the overscan ratio of the HDMI image on screen. • Auto: Automatically adjusts the overscan ratio by information from the player. • Underscan: Always no overscan on the HDMI image. • Overscan: Always keep overscan on the HDMI image.

Note: "H. Position", "V. Position", "Frequency" and "Tracking" functions are not supported under video mode.

Note: "HDMI Color Range" and "HDMI Scan Info" are only available when the input signal is HDMI.

Setting

Startup Screen	Use this function to select your desired startup screen. If you change the setting, it will take effect when you exit the OSD menu. • Acer: The default startup screen of your Acer projector. • User: Use the memorized picture from the "Screen Capture" function.

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Screen Capture	Use this function to customize the startup screen. To capture the image that you want to use as the startup screen, follow the instructions below. Notice Before proceeding with the following steps, make sure that the "Keystone" is set to the default value "0" and the projector is in its native resolution. • Select "Screen Capture" to customize the startup screen. • A dialog box appears to confirm the action. Choose "Yes" to use the current image as your customized startup screen. Choose "No" to cancel the screen capture and exist the Onscreen Display (OSD). • A message appears stating that the screen capture is in progress. • When the screen capture is finished, the message disappears and the original display is shown.
Source Selection	• Manual: When switching input signals, you need to press "SOURCE" on the control panel or remote control, or the direct source key on the remote control. • Auto: The projector will detect your source automatically.
Closed Caption	Selects a preferred closed captioning mode from CC1, CC2, CC3, CC4 (CC1 displays captions in the primary language in your area). Select "Off" to turn off the captioning feature. This function is only available when a composite video or S-Video input signal is selected and its system format is NTSC.
DC 5V Out	Selecting "On" enables the function. The MHL port(s) and the DC SV out port/USB A port (if available) on the projector can output SV power when the projector is turned on. Only MHL port(s) will provide power output when MHL port(s) and USB A port are both plugged.
VGA OUT (Standby)	Selecting "On" enables the function. The projector can output a VGA signal when it is in standby mode and the VGA IN (or VGA IN 1) and VGA OUT sockets are correctly connected to the devices. Enabling this function increases the standby power consumption.
HDMI CEC	Selecting "On" allows synchronized power ON/OFF operation between the projector and a CEC-compatible device connected to the HDMI/MHL port of the projector. This function is only available for the HDMI/MHL port

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Security	**Security** This projector provides a useful security function for the administrator to manage the projector. Press ▶ to change the "Security" setting. If the security function is enabled, your must enter "Administrator Password" first before changing the security setting. The factory default of "Administrator Password" is "1234". • Select "On" to enable the security function. You have to enter password depending on the "Security Mode". Please refer to "User Password" section for details. • If "Off" is selected, you can switch on the projector without password.

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English

Security	**Timeout (Min.)** Once "Security" is set to "On", you can set timeout function. • Press ◄ ► to select timeout duration. • The range is from 10 to 990 minutes. • When time is up, the projector will request you to enter the password again. • The factory default setting of "Timeout (Min.)" is "Off". • Once the security function is enabled, the projector will request you to enter password when switching on the projector. Both "User Password" and "Administrator Password" can be accepted for this dialogue.
	User Password • Press ► to set up or change "User Password". • Use the numerical keys on the remote control to set the password and press "ENTER" to confirm. • To delete the digits, Press ◄ . • Enter the password again when you see "Confirm Password" displayed. • The password should be 4~8 digits in length. • If you select "Request password only after plugging power cord", you are requested to input the password every time the power cord is plugged. If you fail to enter the correct password within 20 minutes upon request, the projector will shut down automatically. • If you select "Always request password while projector turns on", you are requested to input the password every time the projector is turned on. If you fail to enter the correct password within 20 minutes upon request, the projector will shut down automatically.

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Security	**Administrator Password** You can enter "Administrator Password" when the "Enter Administrator Password" or "Enter Password" dialogue box displays. • Press ▶ to change "Administrator Password". • The factory default of "Administrator Password" is "1234". If you forget your administrator password, do the following to retrieve the administrator password: • Enter the unique 6-digit "Universal Password" which is printed on the Security Card that came with your projector. This unique password will be accepted by the projector no matter what the administrator password is. • If the Security Card is lost, please contact your local Acer service center.
	Lock User Startup Screen This function is set to "OFF" by default. If set to "ON", the startup screen is locked and cannot be changed by the "Startup Screen" and "Screen Capture" functions.
Reset	Press "ENTER" after choosing "Yes" to return the display parameters on all menus to the factory default settings.

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English

Management

ECO Mode	Choose "On" to dim the projector lamp, which will also lower the power consumption, reduce noise, and extend the lamp life. Choose "Off" to return to the normal mode.
High Altitude	Choose "On" to turn on the High Altitude mode. When this function is turned on, the projector fans operate at full speed continuously to cool down the projector's temperature.
Turn Off Mode	• Standard: Enables you to turn off the projector with fan cooling process by pressing the power button twice. • Instant Resume: Enables you to restart the projector immediately within 2 minutes after turning it off.
Auto Shutdown (Minutes)	The projector will automatically shut down while there is no signal input detected after the time you set.
Menu Display Time (Seconds)	• 5/15/30: Chooses the length of time the OSD menu will remain active after your last key press. • Manual: The OSD menu remains active. The only way to launch or exit the OSD menu is by pressing "MENU".
AC Power On	Selecting "On" enables the function. The projector will automatically turn on when power is supplied via the power cord.
Control Panel Lock	• Off: Allows all keys on the control panel to operate normally. • Child Lock: Disables the Power key on the control panel when the projector is in standby mode to prevent it from being accidentally turned on. To turn the projector on, press and hold the Power key for 3 seconds. • Full Lock: Disables all keys on the control panel. If you turn off the projector without disabling the Full Lock function, the projector will still be in locked status the next time it is turned on. To disable Full Lock function, press and hold "POWER" on the control panel for 7 seconds and the Control Panel Lock will be set to "Off". When the projector is in standby mode, press and hold "POWER" on the control panel for 7 seconds to turn the projector on and the Control Panel Lock will be set to "Off".

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Lamp	• Lamp Hour Elapse: Displays the lamp's elapsed operating time (in hours). • Lamp Reminding: Choose this function to show or hide warning message when the changing lamp message is displayed. The message will show up 30 hours before end of life. • Lamp Hour Reset: Press "ENTER" after choosing "Yes" to reset the lamp hour counter to 0 hours.
Information	Displays current status of this projector.

Audio

Volume	• Press ◄ to decrease the volume. • Press ► to increase the volume.
Mute	• Choose "On" to turn mute on. • Choose "Off" to turn mute off.
Power On/Off Volume	Select this function to adjust the notification volume when turning the projector on/off.
Alarm Volume	Select this function to adjust the volume of any warning notifications.

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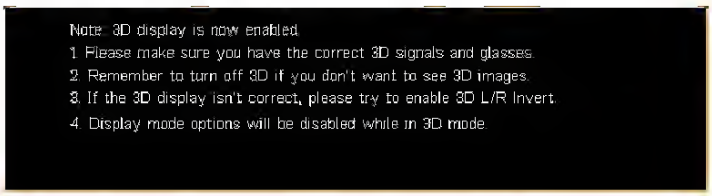
3D

3D	Selects "On" to enable the 3D function supported by DLP 3D technology. • On: Select this item while using DLP 3D glasses, quad buffer (NVIDIA/ATI...) graphics card and HQFS format file or DVD with corresponding SW player. • Off: Turns off the 3D mode.
3D Format	If the 3D content is not displayed correctly, you can select a 3D format that suits the 3D content you are viewing and obtain the best result.
24P 3D	Choose 96Hz or 144Hz for 24p 3D.
3D L/R Invert	If you see a discrete or overlapping image while wearing DLP 3D glasses, you may need to execute "Invert" to get best match of left/right image sequence to get the correct image (for DLP 3D).
3D Warning Message	Choose "On" to display the 3D warning message. 

Note: Supported 3D signal timings

Signal source type	Supported timing
Video/S-Video/Component video	HQFS 3D (480i@60Hz), 576i@50Hz
VGA/HDMI (PC mode)	640 x 480@50/60/100/120Hz 800 x 600@50/60/100/120Hz 1024 x 768@50/60/100/120Hz 1280 x 800@50/60/100/120Hz (R8)
HDMI (Video mode)	HQFS 3D (480i@60Hz), 576i@50Hz, Frame Packing (1080p@23.98/24Hz, 720p@50/60Hz) Side-by-Side Horizontal (1080i@50/60Hz, 1080p@50/60Hz) Top-and-Bottom (720p@50/60Hz, 1080p@23.97/24Hz, 1080p@50/60Hz)

It needs correct settings on graphics card 3D application program for correct 3D display.

The SW players, such as Stereoscopic Player and DDD TriDef Media Player can support 3D format files. You can download these players on the web page below.

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- Stereoscopic Player (Trial) http://www.3dtv.at/Downloads/Index_en.aspx
- DDD TriDef Media Player (Trial) http://www.tridef.com/download/TriDef-3-D-Experience-4.0.2.html

Note: "3D L/R Invert" and "3D Format" are only available when "3D" is enabled.

Language

Language	Sets a language for the OSD menus. Use ▲ ▼ to select your preferred language.

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English

Appendices

Troubleshooting

If you experience a problem with your Acer projector, refer to the following troubleshooting guide. If the problem persists, please contact your local reseller or service center.

Image Problems and Solutions

#	Problem	Solution
1	No image appears onscreen	• Make sure all the cables are correctly connected as described in the "Getting Started" section. • Ensure none of the connector pins are bent or broken. • Make sure the projector is switched on.

2	Partial, scrolling or incorrectly displayed image (For PC)	• For an incorrectly displayed image
		  • Open "My Computer > Control Panel," and then double-click the "Display" icon.
		  • Select the "Settings" tab.
		  • Verify that your display resolution setting is lower than or equal to 1600 x 1200 or 1920 x 1080.
		  • Click the "Advanced Properties" button.
		If the problem still appears, change the monitor display you are using and follow the steps below.
		  • Verify that the resolution setting is lower than or equal to 1600 x 1200 or 1920 x 1080.
		  • Click the "Change" button under the "Monitor" tab.
		  • Click "Show all devices > Standard monitor types" under the SP box, and choose the resolution mode you need under the "Models" box.
		  • Verify that the resolution setting of the monitor display is lower than or equal to 1600 x 1200 or 1920 x 1080.

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3	Partial, scrolling or incorrectly displayed image (For notebooks)	• For an incorrectly displayed image:
		  • Follow the steps for item 2 (above) to adjust the resolution of your computer.
		  • Press the toggle output settings. Example: [Fn]+[F4], Compaq: [Fn]+[F4], Dell: [Fn]+[F8], Gateway: [Fn]+[F4], IBM: [Fn]+[F7], HP: [Fn]+[F4], NEC: [Fn]+[F3], Toshiba: [Fn]+[F5]
		• If you experience difficulty changing resolutions or your monitor freezes, restart all equipment including the projector.

4	The screen of the notebook computer is not displaying your presentation	• If you are using a Microsoft® Windows® based notebook: Some notebook PCs may deactivate their own screens when a second display device is in use. Each has a different way to be reactivated. Refer to your computer's manual for detailed information. • If you are using an Apple® Mac® OS based notebook: In System Preferences, open Display and select Video Mirroring "On."
5	Image is unstable or flickering	• Use "Tracking" to correct it. Refer to the "Image" section for more information. • Change the display color setting on your computer.
6	Image has vertical flickering bar	• Use "Frequency" to make an adjustment. Refer to the "Image" section for more information. • Check and reconfigure the display mode of your graphics card to make it compatible with the projector.
7	Image is out of focus	• Adjust the focus ring on the projector lens. • Make sure the projection screen is within the required distance. (Refer to "Projection distance with clear focus" section for more information.) Refer to the "How to Get a Preferred Image Size by Adjusting Distance and Zoom" section for more information.
8	Image is stretched when displaying a "widescreen" DVD title	When you play a DVD encoded in anamorphic or 16:9 aspect ratio you may need to adjust the following settings: • If you play a 4:3 format DVD title, please change the format to 4:3 with the projector OSD. • If the image is still stretched, you will also need to adjust the aspect ratio. Set up the display format to 16:9 (wide) aspect ratio on your DVD player.

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9	Image is too small or too large	• Adjust the zoom lever on the top of the projector. • Move the projector closer to or further from the screen. • Press "MENU" on the control panel or remote control. Go to "Image" > "Aspect Ratio" and try different settings.
10	Image has slanted sides	• If possible, reposition the projector so that it is centered on the screen and below the bottom of the screen. • Press the Keystone correction keys on the control panel or remote control until the image becomes square. • Press "MENU" on the control panel or remote control to open the OSD menu. Go to "Image" > "Auto Keystone" or "Image" > "Manual Keystone" to make adjustments.
11	Image is reversed	• Select "Image" > "Projection Mode", "Image" > "Projection Location" on the OSD and adjust the projection direction.

Problems with the Projector

#	Condition	Solution
1	The projector stops responding to all controls	• If possible, turn off the projector, then unplug the power cord and wait at least 30 seconds before reconnecting power. • Make sure that the control panel lock function is disabled.
2	Lamp burns out or makes a popping sound	When the lamp reaches the end of its useful life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn on until the lamp module has been replaced. To replace the lamp, contact your local dealer or Acer service center.

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OSD Messages

#	Condition	Message Reminder
1	Message	Fan Fail - the system fan is not working Fan Fail Lamp will automatically turn off soon Projector Overheated - the projector has exceeded its recommended operating temperature and must be allowed to cool down before it is used. Projector Overheated Lamp will automatically turn off soon Replace the lamp - the lamp is about to reach its maximum lifetime. Prepare to replace it soon. Lamp is approaching the end of its useful life in full power operation Replacement suggested!

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LED & Alarm Definition Listing

LED Messages

Message	Power LED		LAMP LED	TEMP LED
	Red	Blue	Red	Red
Standby (Power cord plugged in)	V	--	--	--
Power on	--	V	--	--
Lamp retry	--	Quick flashing	--	--
Turning off (Cooling state)	Quick flashing	--	--	--
Turning off (Cooling completed)	V	--	--	--
Firmware download	V	--	V	V
Error (Thermal failure)	--	V	--	V
Error (Fan lock failure)	--	V	--	Quick flashing
Error (Lamp breakdown)	--	V	V	--
Error (Color wheel failure)	--	V	Quick flashing	--

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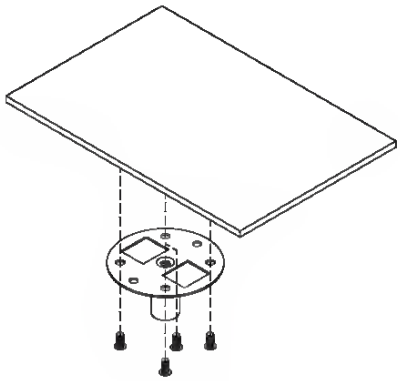
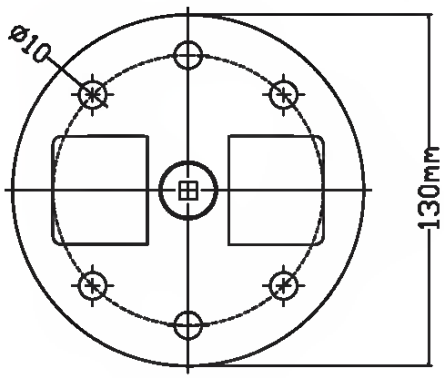
Ceiling Mount Installation

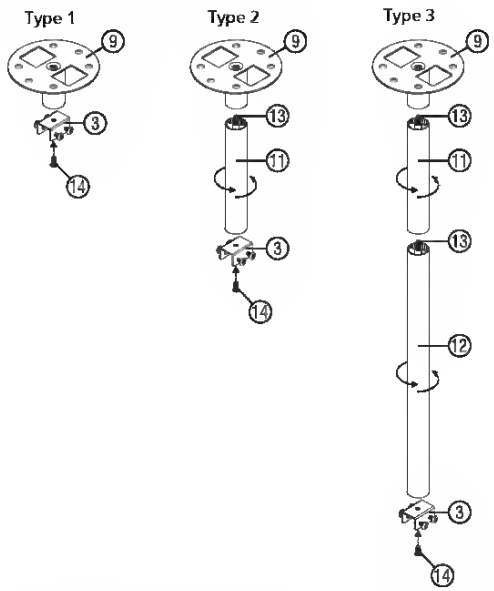
If you wish to install the projector using a ceiling mount, please refer to the steps below:

1 Drill four holes into a solid, structurally sound part of the ceiling, and secure the mount base.





2 Choose the length combination based on actual environment. (CM-01S doesn't include Type 2 and Type 3.)



3 Type 1: For the standard size use three bracket screws to mount the projector to the ceiling mount bracket.

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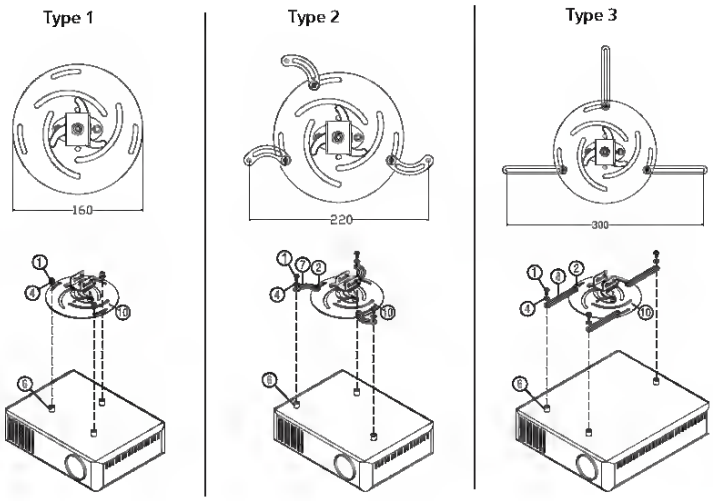
Type 2 and Type 3: Alternatively, for the larger size, use the sliding extensions for more supports.



Note: It is recommended that you keep a reasonable space between the bracket and the projector to allow for proper heat distribution.

4 Connect the main body connector to the projector bracket (illustration 1), and then screw up four screws (illustration 2).

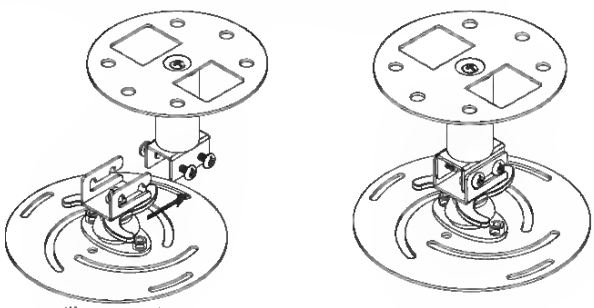
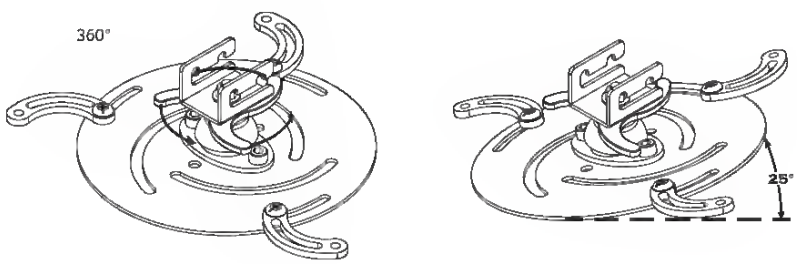


Illustration 1

Illustration 2

5 Adjust the angle and positioning as necessary.



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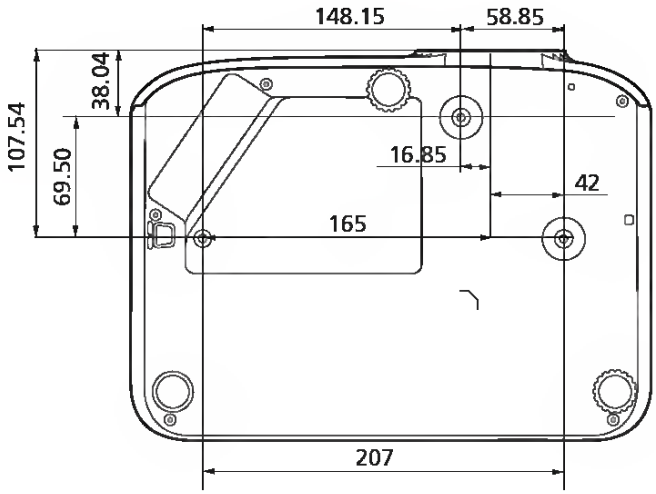
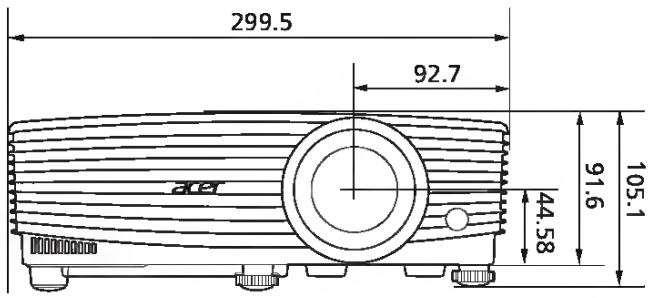
Screw Type B		Washer Type	
Diameter (mm)	Length (mm)	Large	Small
4	25	V	V





Unit: mm

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Specifications

The specifications below are subject to change without notice. For final specs, please refer to Acer's marketing documentation.

Projection system	DLP™
Resolution	• P11S0/M306/PE-S4S/F2SS/AS329/PR120/MF-020/MS130/X1123H/D800D/EV-S80H/VS0S/ASS40/DX120/BS-020/KS330 Native: SVGA (800 x 600) Maximum: UXGA (1600 x 1200), 1080p (1920 x 1080), WUXGA (1920 x 1200) (supports reduce blanking only) • P12S0/M316/PE-X4S/F2SX/AX329/PR220/MF-120/MX130/X1223H/D810D/EV-X80H/VS0X/AXS40/DX220/BS-120/KX330 Native: XGA (1024 x 768) Maximum: UXGA (1600 x 1200), 1080p (1920 x 1080), WUXGA (1920 x 1200) (supports reduce blanking only) • P13S0W/M326S/PE-W4SS/F2SWS/AW329S/PR320/MF-220/MW130/P13S0WL/M326/PE-W4S/F2SW/AW329/PR320T/MF-220T/MW130L/X1323WH/D820D/EV-W80H/VS0W/AWS40/DX420/BS-320/KW330 Native: WXGA (1280 x 800) Maximum: UXGA (1600 x 1200), 1080p (1920 x 1080), WUXGA (1920 x 1200) (supports reduce blanking only)
Computer compatibility	Refer to the "Compatibility Modes" section for more information.
Video compatibility	NTSC (3.S8/4.43), PAL (M/N), PAL 60, SECAM, HDTV (720p, 1080i, 1080p), EDTV (480p, S76p), SDTV (480i, S76i)
Aspect ratio	• P11S0/M306/PE-S4S/F2SS/AS329/PR120/MF-020/MS130/X1123H/D800D/EV-S80H/VS0S/ASS40/DX120/BS-020/KS330/P12S0/M316/PE-X4S/F2SX/AX329/PR220/MF-120/MX130/X1223H/D810D/EV-X80H/VS0X/AXS40/DX220/BS-120/KX330 Auto, 4:3 (native), 16:9 • P13S0W/M326S/PE-W4SS/F2SWS/AW329S/PR320/MF-220/MW130/P13S0WL/M326/PE-W4S/F2SW/AW329/PR320T/MF-220T/MW130L/X1323WH/D820D/EV-W80H/VS0W/AWS40/DX420/BS-320/KW330 Auto, 4:3, 16:9, Full, L.8ox
Displayable colors	1.07 billion colors

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Projection lens	•	P1150/M306/PE-545/F255/A5329/PR120/MF-020/ M5130/X1123H/D800D/EV-580H/V505/A5540/ DX120/B5-020/K5330/P1250/M316/PE-X45/F25X/ AX329/PR220/MF-120/MX130/X1223H/D810D/EV-X80H/V50X/AX540/DX220/B5-120/KX330/ P1350WL/M326/PE-W45/F25W/AW329/PR320T/ MF-220T/MW130L/X1323WH/D820D/EV-W80H/ V50W/AW540/DX420/B5-320/KW330 F = 2.56 – 2.68, f = 22.0 mm – 24.1 mm, 1.1.1 Manual Zoom and Manual Focus
	•	P1350W/M3265/PE-W455/F25W5/AW3295/PR320/ MF-220/MW130 F = 2.59 – 2.87, f = 16.88 mm – 21.88 mm, 1.1.3 Manual Zoom and Manual Focus
Projection screen size (diagonal)	60" – 300" (152 cm – 762 cm)	
Projection distance with clear focus	•	P1150/M306/PE-545/F255/A5329/PR120/MF-020/ M5130/X1123H/D800D/EV-580H/V505/A5540/ DX120/B5-020/K5330/P1250/M316/PE-X45/F25X/ AX329/PR220/MF-120/MX130/X1223H/D810D/EV-X80H/V50X/AX540/DX220/B5-120/KX330 W: 2.38 m – 7.15 m (7.8' – 23.5') T: 2.62 m – 7.87 m (8.6' – 25.8')
	•	P1350W/M3265/PE-W455/F25W5/AW3295/PR320/ MF-220/MW130 W: 1.57 m – 4.71 m (5.2' – 15.5') T: 2.04 m – 6.12 m (6.7' – 20.1')
	•	P1350WL/M326/PE-W45/F25W/AW329/PR320T/ MF-220T/MW130L/X1323WH/D820D/EV-W80H/ V50W/AW540/DX420/B5-320/KW330 W: 2 m – 6 m (6.6' – 19.7') T: 2.2 m – 6.6 m (7.2' – 21.7')
Throw ratio	•	P1150/M306/PE-545/F255/A5329/PR120/MF-020/ M5130/X1123H/D800D/EV-580H/V505/A5540/ DX120/B5-020/K5330/P1250/M316/PE-X45/F25X/ AX329/PR220/MF-120/MX130/X1223H/D810D/EV-X80H/V50X/AX540/DX220/B5-120/KX330 1.96 – 2.15 (50" ± 3% @ 2 m)
	•	P1350W/M3265/PE-W455/F25W5/AW3295/PR320/ MF-220/MW130 1.21 – 1.57 (77" ± 3% @ 2 m)
	•	P1350WL/M326/PE-W45/F25W/AW329/PR320T/ MF-220T/MW130L/X1323WH/D820D/EV-W80H/ V50W/AW540/DX420/B5-320/KW330 1.55 – 1.7 (60" ± 3% @ 2 m)
Horizontal scan rate	15 - 100 KHz	
Vertical refresh scan rate	24 - 120 Hz	
Keystone correction	+/-40 Degrees (Vertical), Manual & Auto	
Digital zoom	0.8 – 2 X	

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Audio	• P1150/M306/PE-545/F255/A5329/PR120/MF-020/M5130/X1123H/D800D/EV-580H/V505/A5540/DX120/B5-020/K5330/X1223H/D810D/EV-X80H/V50X/AX540/DX220/B5-120/KX330/X1323WH/D820D/EV-W80H/V50W/AW540/DX420/B5-320/KW330 3W speaker x 1 • P1250/M316/PE-X45/F25X/AX329/PR220/MF-120/MX130/P1350W/M3265/PE-W455/F25W5/AW3295/PR320/MF-220/MW130/P1350WL/M326/PE-W45/F25W/AW329/PR320T/MF-220T/MW130L 10W speaker x 1
Weight	Approximate 2.4 kg (5.29 lbs.)
Dimensions (W x D x H)	299.5 x 220 x 91.6 mm (11.8" x 8.7"x 3.6") 299.5 x 220 x 105.1 mm (11.8" x 8.7"x 4.1") (with tilt adjusting wheels)
Power supply	Universal AC input 100 - 240 V, input frequency 50/60 Hz
Power consumption	Standard mode: 260 W @100 VAC ECO mode: 205 W @ 100 VAC Standby mode: < 0.5 W
Operating temperature	0°C to 40°C / 32°F to 104°F
I/O connectors	X1123H/D800D/EV-580H/V505/A5540/DX120/B5-020/K5330/X1223H/D810D/EV-X80H/V50X/AX540/DX220/B5-120/KX330/X1323WH/D820D/EV-W80H/V50W/AW540/DX420/B5-320/KW330 • Power socket x 1 • U58 (Type mini 8) x 1 • VGA input x 1 • VGA output x 1 • R5232 x 1 • 3.5 mm audio jack input x 1 • 3.5 mm audio jack output x 1 • Composite video x 1 • HDMI x 1
	P1150/M306/PE-545/F255/A5329/PR120/MF-020/M5130/P1250/M316/PE-X45/F25X/AX329/PR220/MF-120/MX130/P1350W/M3265/PE-W455/F25W5/AW3295/PR320/MF-220/MW130/P1350WL/M326/PE-W45/F25W/AW329/PR320T/MF-220T/MW130L • Power socket x 1 • U58 (Type mini 8) x 1 • VGA input x 2 • VGA output x 1 • R5232 x 1 • 3.5 mm audio jack input x 1 • 3.5 mm audio jack output x 1 • Composite video x 1 • HDMI/MHL x 1 • HDMI x 1 • U58 Type A (DC 5V OUT) x 1

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Standard package contents	• AC power cord x 1 • Remote control x 1 • Battery x 2 (for the remote control) • Quick start guide x 1
Accessory (optional)	• User's guide (CD-ROM) x 1 • VGA cable x 1 • HDMI cable x 1 • Security card x 1 • Carrying case x 1 • WirelessHD dongle kit (MWIHD1) x 1

* Design and specifications are subject to change without notice.

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Compatibility Modes

1 VGA Analog - PC Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
VGA	640 x 480	60	31.47
		72	37.86
		75	37.50
		85	43.27
		120	61.91
5VGA	800 x 600	56	35.20
		60	37.88
		72	48.08
		75	46.88
		85	53.67
		120	77.43
XGA	1024 x 768	60	48.36
		70	56.48
		75	60.02
		85	68.68
		120	98.96
5XGA	1152 x 864	70	63.85
		75	67.50
		85	77.10
	1280 x 1024	60	63.98
		72	76.97
		75	79.98
		85	91.15
QuadVGA	1280 x 960	60	60.00
	1280 x 960	75	75.00
5XGA+	1400 x 1050	60	65.32
UXGA	1600 x 1200	60	75.00
PowerBook G4	640 x 480	60	31.50
	640 x 480	66.6 (67)	35.00
	800 x 600	60	37.88
	1024 x 768	60	48.36
	1024 x 768	75	60.241
	1152 x 870	75	68.681

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WXGA	1280 x 768	60	47.78
	1280 x 768	75	60.29
	1280 x 768	85	68.63
	1280 x 720	60	45.00
	1280 x 800	60	49.70
	1280 x 800 - RB	120	101.6
	1440 x 900	60	55.94
W5XGA+	1680 x 1050	60	65.29
acer_16:9	1366 x 768	60	47.71
HD 1080	1920 x 1080-RB	60	66.60
	1920 x 1080-EIA	60	67.50
acer_timing	1024 x 600	60	37.50
WUXGA	1920 x 1200-RB	59.95	74.04

2 HDMI - PC Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
VGA_60	640 x 480	59.94	31.469
VGA_72		72.809	37.861
VGA_75		75	37.5
VGA_85		85.008	43.269
VGA_120		119.518	61.91
SVGA_56	800 x 600	56.25	35.156
SVGA_60		60.317	37.879
SVGA_72		72.188	48.077
SVGA_75		75	46.875
SVGA_85		85.061	53.674
SVGA_120		119.854	77.425
XGA_60	1024 x 768	60.004	48.363
XGA_70		70.069	56.476
XGA_75		75.029	60.023
XGA_120		119.804	98.958
SXGA_75	1152 x 864	75	67.5
SXGA_85		84.99	77.094
SXGA_60	1280 x 1024	60.02	63.981
SXGA_72		72	76.97
SXGA_75		75.025	79.976
SXGA_85		85.024	91.146
QuadVGA_75	1280 x 960	75	75

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SXGA+_60	1400 x 1050	59.978	65.317
UXGA_60	1600 x 1200	60	75
Mac G4	640 x 480@60Hz	59.94	31.469
MAC13	640 x 480@67Hz	66.667	35
Mac G4	800 x 600@60Hz	60.317	37.879
Mac G4	1024 x 768@60Hz	60.004	48.363
MAC19	1024 x 768@75Hz	75.02	60.241
MAC21	1152 x 870@75Hz	75.061	68.681
WXGA_60	1280 x 768	59.87	47.776
WXGA_75		74.893	60.289
WXGA_85		84.837	68.633
WXGA_60	1280 x 720	60	45
WXGA_60	1280 x 800	59.81	49.702
WXGA_120-RB	1280 x 800	119.909	101.563
WXGA+_60	1440 x 900	59.887	55.935
1680x1050_60	1680 x 1050	59.954	65.29
acer_16:9	1366 x 768	59.79	47.712
1920 x 1080_RB	1920 x1080	60	66.587
1920 x 1080_EIA	1920 x1080	60	67.5
acer_timing	1024 x 600	60	37.5
1920 x 1200-RB	1920 x 1200	59.95	74.038

3 HDMI - Video Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
480i	720 x 480 (1440 x 480)	60	15.73
480p	720 x 480	60	31.47
576i	720 x 576 (1440 x 576)	50	15.63
576p	720 x 576	50	31.25
720p	1280 x 720	60	45.00
720p	1280 x 720	50	37.50
1080i	1920 x 1080	60	33.75
1080i	1920 x 1080	50	28.13
1080p	1920 x 1080	60	67.50
1080p	1920 x 1080	50	56.26
1080p	1920 x 1080	24	27.00
1080p	1920 x 1080	23.98	26.97
1080p	1920 x 1080	30	33.75

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4 MHL - Video Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
480i	720 x 480 (1440 x 480)	60	15.73
480p	720 x 480	60	31.47
576i	720 x 576 (1440 x 576)	50	15.63
576p	720 x 576	50	31.25
720p	1280 x 720	60	45.00
720p	1280 x 720	50	37.50
1080i	1920 x 1080	60	33.75
1080i	1920 x 1080	50	28.13
1080p	1920 x 1080	24	27.00
1080p	1920 x 1080	23.98	26.97
1080p	1920 x 1080	30	33.75
1080p	1920 x 1080	50	56.26
1080p	1920 x 1080	60	67.5

5 YPbPr Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
480i	720 x 480	59.94	15.73
480p	720 x 480	59.94	31.47
576i	720 x 576	50.00	15.63
576p	720 x 576	50.00	31.25
720p	1280 x 720	60.00	45.00
720p	1280 x 720	50.00	37.50
1080i	1920 x 1080	60.00	33.75
1080i	1920 x 1080	50.00	28.13
1080p	1920 x 1080	60.00	67.5
1080p	1920 x 1080	50.00	56.26
1080p	1920 x 1080	24.00	27.00
1080p	1920 x 1080	23.98	26.97

6 Video, S-Video Signal

Mode	V.Frequency [Hz]	H.Frequency [KHz]	fsc (MHz)
NT5C	15.73	60	3.58
PAL	15.63	50	4.43
5ECAM	15.63	50	4.25 or 4.41
PAL-M	15.73	60	3.58
PAL-N	15.63	50	3.58
PAL-60	15.73	60	4.43
NT5C4.43	15.73	60	4.43

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English

Regulations and safety notices

FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this device.

Operation conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus complies with Canadian ICE5-003.

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Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme a la norme NMB-003 du Canada.

Declaration of Conformity for EU countries

Acer hereby, declares that this projector series is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Compliant with Russian regulatory certification

Radio device regulatory notice

Note: The regulatory information below is for models with wireless LAN and/or Bluetooth only.

General

This product complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Depending on configurations, this product may or may not contain wireless radio devices (such as wireless LAN and/or Bluetooth modules).

Canada — Low-power license-exempt radio communication devices (RSS-210)

a Common information
Operation is subject to the following two conditions:
1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

b Operation in 2.4 GHz band
To prevent radio interference to the licensed service, this device is intended to be operated indoors and installation outdoors is subject to licensing.

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List of applicable countries

This device must be used in strict accordance with the regulations and constraints in the country of use. For further information, please contact a local office in the country of use. Please see http://ec.europa.eu/enterprise/rtte/implem.htm for the latest country list.

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English

CE

Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi
New Taipei City 221, Taiwan

Declaration of Conformity

We,
Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 221, Taiwan
And,
Acer Italy s.r.l.
Via Lepetit, 40, 20020 Lainate (MI) Italy
Tel: +39-02-939-921, Fax: +39-02-9399-2913
www.acer.it

Product:	**Projector**
Trade Name:	**Acer**
Model Number:	**ASV1712/ANX1711/AWX1710/AWX1709/ASV1715/ ANX1714/AWX1713**
Marketing Name:	**P1150/PR120/MF-020/MS130/P1250/PR220/MF-120/ MX130/P1350W/PR320/MF-220/MW130/P1350WL/ PR320T/MF-220T/MW130L/X1123H/DX120/BS-020/ KS330/X1223H/DX220/BS-120/KX330/X1323WH/DX420/ BS-320/KW330**

We, Acer Incorporated, hereby declare under our sole responsibility that the product described above is in conformity with the relevant Union harmonization legislations as below Directive and following harmonized standards and/or other relevant standards have been applied:

☒ **EMC Directive: 2014/30/EU**

☒ EN 55032:2012+AC:2013, Class B	☒ EN 61000-3-2:2014
☒ EN 55024:2010/A1:2015	☒ EN 61000-3-3:2013

☒ **LVD Directive: 2014/35/EU**

☒ EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013

☒ **RoHS Directive: 2011/65/EU**

☒ EN 50581:2012

☒ **ErP Directive: 2009/125/EC**

☐ Regulation (EU) No. 617/ 2013	☐ Regulation (EC) No. 278/2009; EN 50563:2011
☒ Regulation (EC) No. 1275/2008; EN 50564:2011	

Year to begin affixing CE marking 2017.

RU Jan/Sr. Manager
Acer Incorporated (Taipei, Taiwan)

June 14, 2017
Date

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English

Acer America Corporation
333 West San Carlos St.,
Suite 1500
San Jose, CA 95110
U. S. A.
Tel: 254-298-4000
Fax: 254-298-4147
www.acer.com

Federal Communications Commission
Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The following local Manufacturer /Importer is responsible for this declaration:

Product:	DLP Projector
Model Number:	ASV1712/ANX1711/AWX1710/ AWX1709/ASV1715/ANX1714/ AWX1713 series
Name of Responsible Party:	Acer America Corporation
Address of Responsible Party:	333 West San Carlos St. Suite 1500 San Jose, CA 95110 U. S. A.
Contact Person:	Acer Representative
Phone No.:	254-298-4000
Fax No.:	254-298-4147

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